

What is claimed is:

1. A method for fabricating a capillary element for electrokinetic transport of materials, comprising:
 - providing a first capillary element having disposed through its length, a first capillary channel, the capillary channel comprising first and second ends and an outer surface;
 - applying a continuous layer of an electrically conductive material along a length of the outer surface, the continuous layer of electrically conductive material extending along the outer surface to a point proximal to, but not up to at least one of the first and second ends;
 - segmenting the capillary element into at least first and second separate capillary element portions at an intermediate point of the capillary element and the continuous layer, the first portion comprising the first end and a first intermediate end, and the second portion comprising the second end and a second intermediate end.

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